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## **Nitric Oxide: Brain and Immune System**

Edited by **S Moncada, G Nisticò** and **E A Higgs**

Nitric Oxide was nominated molecule of the year by *Science* in 1992. New and unexpected roles for biologically synthesized nitric oxide continue to be identified. This book contains the proceedings of the First International Meeting on Nitric Oxide: Brain and Immune System, held in Calabria, Italy in September 1992. The meeting brought together specialists from various subjects in an attempt to pull together this still diverse research into a unifying field dealing with the understanding of the communication and reciprocal interaction between the brain and the immune system.

Interest in nitric oxide biochemistry and physiology covers many scientific speciality areas. Everybody involved in research in nitric oxide plus researchers in immunology as well as the cardiovascular system and the CNS will be interested in this book.

**Contents:** Twenty-nine chapters in three sections: Interactions Between CNS and Immune System; Nitric Oxide: Basic Mechanisms and Role in the Nervous System, and Nitric Oxide: Role in Immune Mechanisms and Inflammation.

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## **Neurochemistry of Drug Dependence: From Molecular Targets to Behavioural Consequences**

Edited by **S Wonacott** and **G G Lunt**

The proceedings of this meeting brings together neurochemical information about drug targets and their mechanisms on the one hand, with psychopharmacological and behavioural studies of drug dependence on the other. Presented in a jargon-free style, it aims to stimulate cross-fertilisation of ideas that will span the disciplines and enhance our understanding of this important topic.

The symposium encompasses discovery of the opiate receptor, the key role of dopamine in reward pathways, a receptor for cannabis, the molecular targets of alcohol, the benzodiazepines and the psychomotor stimulants.

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# Women Physiologists

## An Anniversary Celebration of their Contributions to British Physiology



Edited by Lynn Bindman, Alison Brading and Tilli Tansey

This book focuses on a group of women who have made significant contributions to the field of physiology. Included are individual biographies, highlighting their scientific research and presenting extracts from original papers, together with a commentary for the non-expert.

This is a fascinating account, not only for physiologists, male and female, but also for others interested in the history of science and those concerned with the roles of women in science and in society.

### Contents

**Section I. The Beardless Ladies of Physiology?** "To dine with ladies smelling of dog?" A brief history of women and the Physiological Society, *EM Tansey*

**Section II. Public Recognition of Women Physiologists: Dames of the British Empire and Fellows of the Royal Society** Dame Harriette Chick DBE, *S Morrissey*; Dame Janet Vaughan DBE, FRS, *H Dodsworth*; Mary Pickford FRS, *M Phillips*; Marthe L Vogt FRS, *S Greenfield*; Edith Bülbring FRS, *A Brading*; Elsie M Widdowson FRS, *M Young*; Dame Sheila Sherlock DBE, *CA Seymour and L Bindman*; (Emmeline) Jean Hanson FRS, *S Page*

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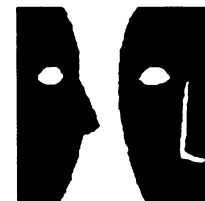
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R J Beynon

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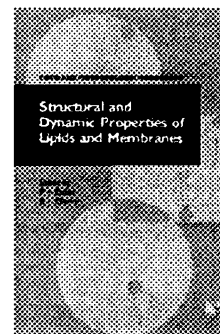
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## Structural and Dynamic Properties of Lipids and Membranes

Edited by P J Quinn and R J Cherry

Portland Press Research Monograph Series No. 3

The biophysical approach for characterizing the properties of biological membranes and their constituents has proved invaluable. This book provides an account of the application of a range of biophysical methods to characterize the structure of lipids and membranes. As a result of such studies, we have a much clearer conception of the dynamic nature of cell membranes.



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## The Annexins

Edited by S E Moss

Portland Press Research Monograph Series No. 2

Calcium has long been recognised as playing a central role in the regulation of many physiological processes. In the past few years, a major class of calcium-binding proteins has emerged, that lacks the standard 'EF-hand' motif, binding instead through an alternative, more complex structure. The so-called annexin family presently consists of some 13 members expressed in organisms as widely diverse as higher plants, slime moulds, metazoans, insects, birds and mammals.

This book reviews the major proposed functions of the annexins, including inhibition of phospholipase A<sub>2</sub> and of blood coagulation, exocytosis and calcium-channel activity. It concludes that the search for function in the annexin family is likely to enjoy a healthy level of controversy for several years to come.

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